



User Manual

Electric Workshop Press

Type SP200HEL



Read this manual carefully before using the workshop press.

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1. Saving the user manual

Keep this user manual carefully. The information in this document may be required for installation, use, maintenance, or troubleshooting. Always keep the manual accessible for future reference. This user manual contains important safety instructions and legal information. Retain the document for the entire lifespan of the product. Always include the manual when the product is resold, transferred, or moved. It is mandatory to keep this user manual in a centrally accessible location. Employees working with this product must have access to the most recent version of this documentation at all times.



Dispose of electrical appliances in an environmentally friendly manner. Do not throw electrical appliances in with household waste. In accordance with European Directive 2012/19/EU on electronic equipment, they must be collected separately for recycling. Contact your local authorities for available disposal options for your worn-out appliance.



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2. General description

The Mammuth SP200HEL is an electrically powered hydraulic workshop press designed for professional use in workshops. The press is suitable for pressing, assembling, and disassembling mechanical parts and combines a robust construction with controlled and safe operation.

3. Application and important features

Application:

The Mammuth SP200HEL electric workshop press is intended for professional and industrial use in workshops. The machine is used for pressing, assembling, and disassembling mechanical parts, such as:

- lagers
- the bus
- axles
- other metal workpieces that require pressing force

The press is designed for stationary use and may only be operated by instructed and authorized personnel. Use outside the specified technical limits or for applications other than those described in the manual is not permitted.

Key features:

- Electrically driven hydraulic system for controlled pressing movement
- High pressing force (200 tons) suitable for heavy-duty applications
- Robust steel frame construction for stability and durability
- Adjustable press bed for various workpiece dimensions
- Control panel for safe and accurate operation

4. Safety instructions

- Read the entire manual before use.
- Use the machine exclusively for its intended purpose.
- Allow authorized and instructed personnel to operate the press only.
- Ensure that the machine is placed on a stable and level surface.
- Keep the workplace clean, dry, and well-lit.
- Always wear: safety glasses, safety shoes and protective gloves
- Do not wear loose clothing, jewelry, or other items that could get pinched.
- Keep hands and body parts out of the pressing zone during use.
- Ensure that the workpiece is positioned correctly and stably.
- Apply the pressing force gradually and in a controlled manner.
- Never exceed the maximum pressing capacity.
- Do not leave the machine while it is in operation.
- Stop the machine immediately in case of: abnormal noises, leaks, incorrect operation
- Connection and work on the electrical installation may only be carried out by qualified personnel.
- Never work on the machine while it is powered on.
- Check regularly: cables, plugs, connections
- Do not use the machine if electrical components are damaged.
- Switch off the machine and disconnect the power before maintenance.
- Disconnect the mains power before carrying out any work.
- Use only original or approved parts.
- Perform regular visual inspections.
- Maintenance may only be carried out by authorized personnel.
- Use suitable lifting and transport equipment.
- Secure the machine against tipping during transport.
- Store the press in a dry and frost-free area.
- Protect the machine from moisture and dirt.
- Risk of entrapment and crushing during pressing.
- Danger of electric shock if used incorrectly.
- The machine may start unexpectedly.
- Never ignore warning symbols and stickers on the machine.

5. Symbols



ISO 7010 - M002

Read the manual



ISO 7010 - M003

Ear protection required



ISO 7010 - M004

Ear protection required



ISO 7010 - M006

Unplug to perform maintenance



Safety shoes mandatory



ISO 7010 - M009

Gloves required



ISO 7010 - M013

Face protection required



Check the workshop press for damage and correct operation before each use.



ISO 7010 - P069

Do not repair/modify yourself



Warning: electrical voltage



Warning: the workshop press may start automatically



Warning: risk of hand injury due to entrapment during straining

6. Assembly and installation

6.1 Placement of the machine

- The workshop press must be placed on a stable, flat, and sturdy surface.
- Ensure sufficient clearance around the machine (1000 mm) for safe use and maintenance.
- The machine must be positioned in such a way that the controls are easily accessible.
- The press is intended for stationary use and must not be used as a portable machine.

6.2 Assembly instructions

Required tools:

- Forklift, overhead crane or other suitable lifting equipment
- Approved lifting slings/round slings
- Ring wrenches/socket wrenches
- Spirit level
- Hydraulicolie ISO VG22 (CH22)

6.2.1 Step 1 - Unpacking

Open the crate of the press frame (SP200HEL-1).

Remove all loose parts from the packaging.

Check if the following parts are present:

- | | |
|--|-----------------------|
| • Persframe | PSP200HEL-02 |
| • 4-person bed pegs | PSP200HEL-60 |
| • 8 borgclips | PSP200HEL-61 |
| • Control cabinet | PSP200HEL-24 |
| • Lierhendel | PSP200HEL-32 |
| • Electric foot pedal | PSP200HEL-68 |
| • Protective grille | PSP200HEL-67 |
| • Protective grille mounting material | PSP20HEL-67 H / G |
| • 2x base plates incl. mounting material | PSP200HEL-3,4,5,6,7,8 |



6.2.2 Step 2 - Lifting the press out of the crate

WARNING:

- Use only approved lifting equipment with sufficient lifting capacity.
- Lifting operations may only be carried out by a competent person.
- Attach two suitable round straps to the top of the PSP200HEL-02 press frame.
- Lift the press vertically out of the crate and place it on a flat surface.
- For safety, leave the press hanging in the lifting slings until the feet are fully mounted.

6.2.3 Step 3 - Mounting the feet

1. Mount the left and right footrests (PSP200HEL-3,4,5,6,7,8) to the press frame.

Ensure that:

- both feet resting fully on the floor;
- the press is level;
- all mounting bolts are fully tightened



2. When the press is firmly set up, the lifting straps can be removed.

6.2.4 Step 4 - Positioning Persped

Insert the PSP200HEL-32 winch handle into the winch connection.

1. Winch the press bed up to the desired height.
 2. Next, assemble:
 3. (A) The two-person bed pins PSP200HEL-60
 - (B) Immediately attach a retaining clip to each pin. PSP200HEL-61
 - (C) Gently lower the press bed onto the bottom pins.
 - (D) Then install the two top locking pins. PSP200HEL-60
- Secure this as well with the supplied locking clips. PSP200HEL-61
4. Check that all four pins pass fully through the frame and are properly secured.



A



B



C



D

6.2.5 Step 5 - Mounting the hydraulic pump unit

1. Open the packaging of the pump unit (SP200HEL-2).
2. Use a suitable hoist or forklift again to safely remove the pump unit from the packaging.
Remove the lower mounting bolt from the pump frame.
3. Loosen the two top mounting bolts a few turns so that they protrude sufficiently.



4. Position the pump unit to the right of the pressure.
5. Lower the two top bolts into the designated slots of the press frame.
6. Check if the pump unit is correctly centered.
7. Next, insert the lower mounting bolt.
8. Then fully tighten all three mounting bolts.



6.2.6 Step 6 - Connecting hydraulic hoses

1. Connect the hydraulic hoses to the designated connections.
2. Check if:
 - the correct hose is mounted on the correct connection;
 - all couplings are properly tightened;
 - the hoses do not kink or are under tension anywhere.



6.2.7 Step 7 - Mounting the control cabinet

1. Mount the PSP200HEL-24 control box above the hydraulic pump on the designated mounting holes.
2. Secure the switch box firmly with the supplied mounting material.



6.2.8 Step 8 - Electrical connections

1. Connect the cable from the control box to the hydraulic pump.
2. Connect the 3-phase cables to U1 V1 and W1 and the earth cable to the earthing terminal.
3. Next, connect a 5-pin plug 16 or 32 amps.

PLEASE NOTE: The Press does not require a neutral connection.

Connect only:

- **Soil (PE)**
- **L1**
- **L2**
- **L3**



4. Check the direction of rotation of the electric motor after switching it on.
5. Compare the direction of rotation with the arrow on the motor.

When the engine rotates in the wrong direction:

- switch off the power supply;
- swap two phases (for example L1 and L2);
- Check the direction of rotation again.



6.2.9 Step 9 - Fill hydraulic oil

1. Fill the hydraulic tank with: Hydraulic oil ISO VG22 (CH22).
2. Fill until the oil level reaches the "FULL" level indicator (black line).
3. Check the hydraulic system for leaks.



6.2.10 Step 10 - Install protective grille

1. Mount the protective grille PSP20HEL-67 with mounting brackets H / G to the front of the press.
2. Use only the supplied mounting material for this.
3. Check if the grate is securely attached.



6.2.11 Step 11 - Bleeding and testing

After installation, the hydraulic system must be bled.

1. Start the pump.
2. Extend the cylinder fully.
3. Move the cylinder fully back.
4. Repeat this 2 to 3 times.

Next, check:

- proper functioning of the foot pedal;
- leak-free hydraulic connections;
- correct operation of the press

The press is now ready for use.

6.3 Before commissioning (after installation)

- Check all fastenings and connections.
- Check the hydraulic system for leaks.
- Check the oil level.
- Perform a test without load to verify correct operation.

6.4 Safety regulations during assembly

- Assembly and installation work may only be carried out by authorized personnel.
- Never work on the machine while it is powered on.
- Use suitable lifting and auxiliary equipment when moving the press.
- Observe all safety instructions in the manual.

7. Operation of the electric workshop press

7.1 General Terms and Conditions of Service

- The press may be operated exclusively by authorized and instructed personnel.
- Read the manual completely before use.
- Check before operation whether:
 - the machine is correctly installed
 - there is no visible damage or leaks
 - the safety features are present
- Always wear the prescribed personal protective equipment.

7.2 Controls

- The workshop press is equipped with:
 - a start control for activating the press
 - a stop function
 - an emergency stop for immediate shutdown in emergency situations
- The control is designed for controlled and precise pressing movements.

7.3 Preparation before pressing

- Place the workpiece correctly and stably on the press bed.
- Ensure that the workpiece is properly aligned with the press spindle.
- Adjust the press bed correctly to the height of the workpiece.
- Remove loose tools or objects from the press zone.

7.4 Press procedure

- Activate the press gradually and in a controlled manner.
- Apply the pressing force step by step.
- Keep outside the pressing zone during pressing:
 - hands
 - body parts
 - clothing
- Never exceed the maximum pressing capacity of the machine.
- Keep the machine under continuous supervision during use.
- Stop the press immediately at:
 - abnormal sounds
 - irregular movement
 - leakage or malfunction

7.5 After pressing

- Switch off the press after completion of the work.
- Wait until all moving parts have come to a complete stop.
- Remove the workpiece only when the press is completely unloaded.

7.6 Malfunctions during operation

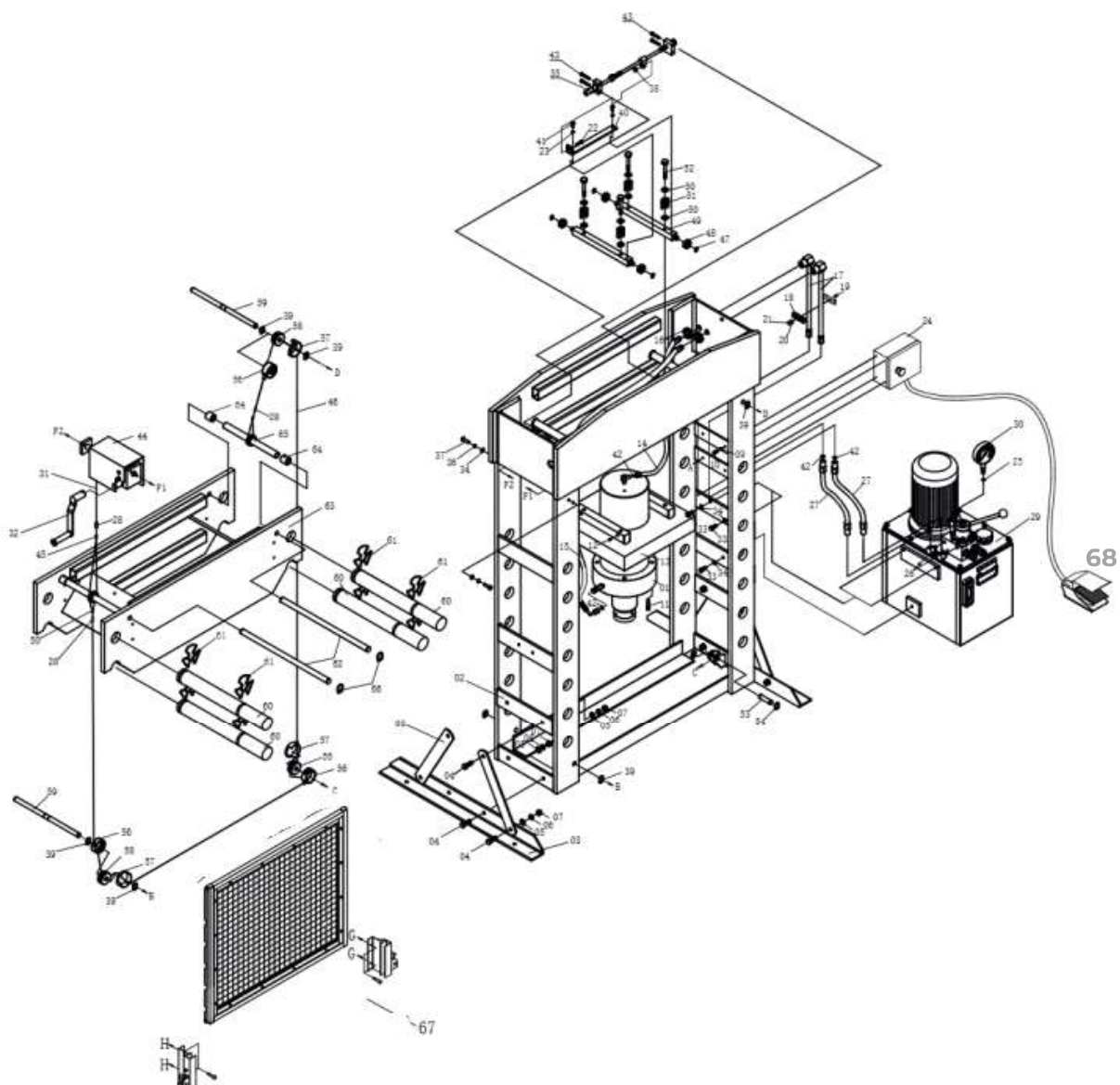
- In the event of a malfunction or emergency:
 - use the emergency stop immediately
 - disconnect the power to the machine
- Do not operate the press further until the malfunction has been resolved.
- Repairs or adjustments may only be carried out by authorized personnel.

7.7 Prohibited actions during service

- Operating the press with defective or missing parts.
- Disable or bypass safety features.
- Leaving the machine running unattended.
- Make changes to controls or settings.

8. Parts

8.1 Electric workshop press



8.1.1 Parts list electric workshop press

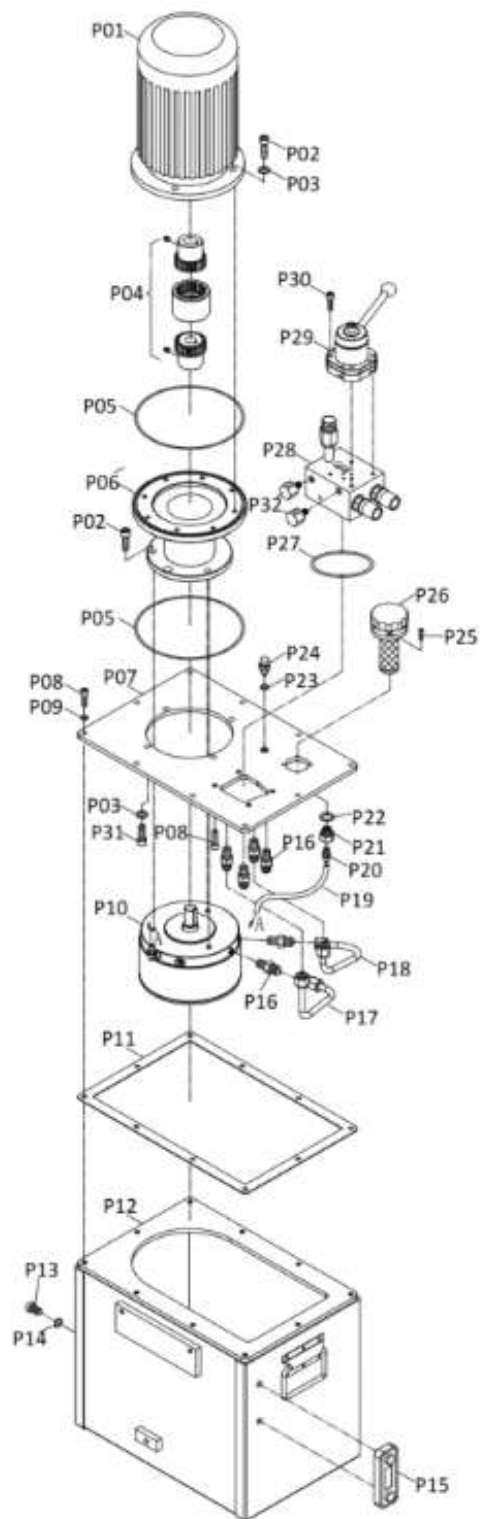
No.	Code	Description	Quantity
1	PSP200HEL-01	Piston assembly	1
2	PSP200HEL-02	Guide frame	1
3	PSP200HEL-03	Foot plate	2
4	PSP200HEL-04	Bolt	12
5	PSP200HEL-05	Washer	12
6	PSP200HEL-06	Retainer	12
7	PSP200HEL-07	Nut	12
8	PSP200HEL-08	Support	4
9	PSP200HEL-09	Washer	4
10	PSP200HEL-10	Screw	4
11	PSP200HEL-11	Screw	4
12	PSP200HEL-12	Screw	4
13	PSP200HEL-13	Press plate	1
14	PSP200HEL-14	High-pressure hose	1
15	PSP200HEL-15	High-pressure hose	1
16	PSP200HEL-16	Nut	1
17	PSP200HEL-17	Seamless tube	2
18	PSP200HEL-18	Pipe clamp	2
19	PSP200HEL-19	Screw	2
20	PSP200HEL-20	Washer	1

No.	Code	Description	Quantity
21	PSP200HEL-21	Nut	1
22	PSP200HEL-22	Bolt	1
23	PSP200HEL-23	Retainer	1
24	PSP200HEL-24	Control box	1
25	PSP200HEL-25	Nylon ring	1
26	PSP200HEL-26	Connector	2
27	PSP200HEL-27	Oil hose	2
28	PSP200HEL-28	Cable protector	3
29	PSP200HEL-29	Electric pump	1
30	PSP200HEL-30	Pressure gauge	1
31	PSP200HEL-31	Cable	1
32	PSP200HEL-32	Winch handle	1
33	PSP200HEL-33	Bolt	3
34	PSP200HEL-34	Washer	7
35	PSP200HEL-35	Piston movement mechanism	1
36	PSP200HEL-36	Retainer	4
37	PSP200HEL-37	Bolt	4
38	PSP200HEL-38	Nut	1
39	PSP200HEL-39	Retainer	8
40	PSP200HEL-40	Connecting beam	1

No.	Code	Description	Quantity
41	PSP200HEL-41	Bolt	2
42	PSP200HEL-42	O-ring	3
43	PSP200HEL-43	Screw	4
44	PSP200HEL-44	Press frame lifting	1
45	PSP200HEL-45	Cable connector	3
46	PSP200HEL-46	Cable	1
47	PSP200HEL-47	Retaining ring	4
48	PSP200HEL-48	Roller	2
49	PSP200HEL-49	Piston assembly beam	2
50	PSP200HEL-50	Spring cap	9
51	PSP200HEL-51	Spring	4
52	PSP200HEL-52	Bolt	4
53	PSP200HEL-53	Roller pin	1
54	PSP200HEL-54	Retaining ring	2
55	PSP200HEL-55	Large roller	1
56	PSP200HEL-56	Guard 1	3
57	PSP200HEL-57	Guard 2	3
58	PSP200HEL-58	Roller	2
59	PSP200HEL-59	Roller pin	2
60	PSP200HEL-60	Pin	4

No.	Code	Description	Quantity
61	PSP200HEL-61	Retaining ring	8
62	PSP200HEL-62	Lifting beam	2
63	PSP200HEL-63	Press frame	1
64	PSP200HEL-64	Bushing	4
65	PSP200HEL-65	Bushing assembly	2
66	PSP200HEL-66	Retaining ring	4
67	PSP200HEL-67	Safety guard	1
68	PSP200HEL-68	Foot pedal	1

8.2 Electric motor pump

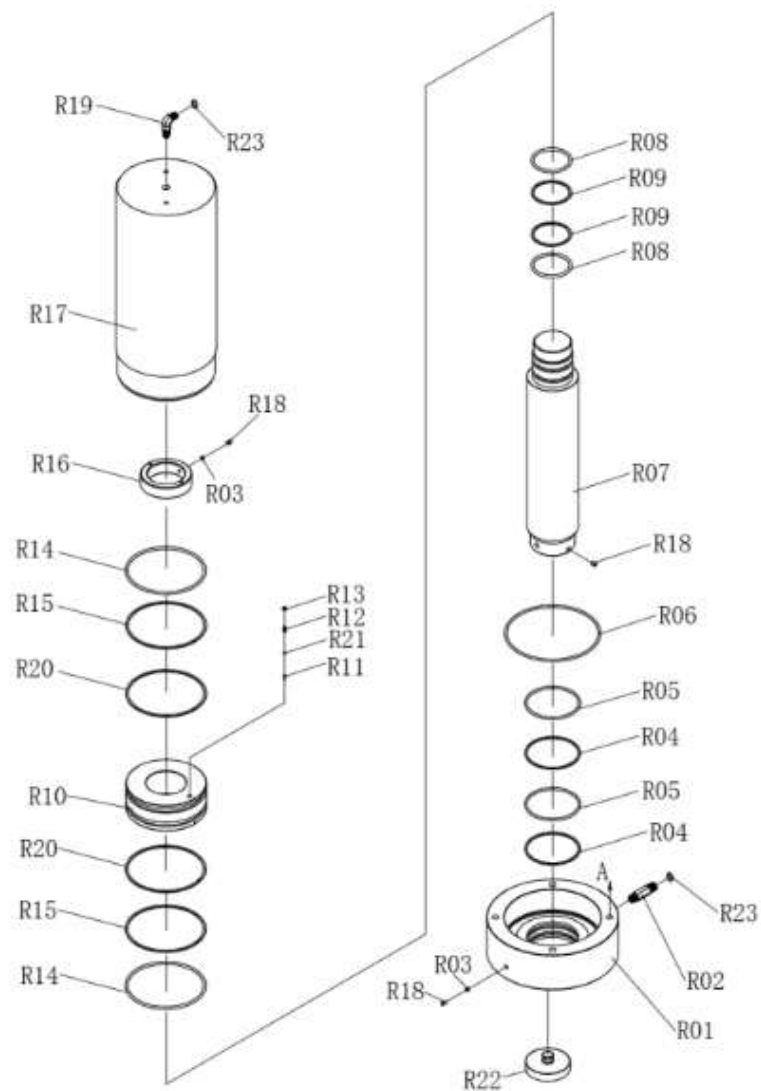


8.2.1 Parts List Electric Motor Pump

No.	Item code	Description	Quantity
P1	PSP200HEL-01.1	Electric motor	1
P2	PSP200HEL-02.1	Screw	4
P3	PSP200HEL-03.1	Seal	8
P4	PSP200HEL-04.1	Coupling	1
P5	PSP200HEL-05.1	O-ring	2
P6	PSP200HEL-06.1	Connector	1
P7	PSP200HEL-07.1	Oil filler cap	1
P8	PSP200HEL-08.1	Screw	14
P9	PSP200HEL-09.1	Seal	10
P10	PSP200HEL-10.1	Electric pump	1
P11	PSP200HEL-11.1	Rubber pad	1
P12	PSP200HEL-12.1	Oil tank	1
P13	PSP200HEL-13.1	Screw	1
P14	PSP200HEL-14.1	Washer	1
P15	PSP200HEL-15.1	Level gauge	1
P16	PSP200HEL-16.1	Connector	6
P17	PSP200HEL-17.1	High-pressure oil hose	1
P18	PSP200HEL-18.1	Low-pressure oil hose	1
P19	PSP200HEL-19.1	PU hose	1
P20	PSP200HEL-20.1	Connector	1

No.	Item code	Description	Quantity
P21	PSP200HEL-21.1	Double coupling	1
P22	PSP200HEL-22.1	Seal	1
P23	PSP200HEL-23.1	Nylon ring	1
P24	PSP200HEL-24.1	Bleed screw	1
P25	PSP200HEL-25.1	Screw	4
P26	PSP200HEL-26.1	Air filter	1
P27	PSP200HEL-27.1	O-ring	2
P28	PSP200HEL-28.1	Selector valve block	1
P29	PSP200HEL-29.1	Selector valve	1
P30	PSP200HEL-30.1	Screw	4
P31	PSP200HEL-31.1	Screw	4
P32	PSP200HEL-32.1	Connector	2

8.3 Hydraulic cylinder



8.3.1 Parts List Hydraulic Cylinder

No.	Item code	Description	Quantity
R01	PSP200HEL-01.2	Round nut	1
R02	PSP200HEL-02.2	Connector	1
R03	PSP200HEL-03.2	Nylon block	2
R04	PSP200HEL-04.2	Washer	2
R05	PSP200HEL-05.2	O-ring	2
R06	PSP200HEL-06.2	O-ring	1
R07	PSP200HEL-07.2	Piston rod	1
R08	PSP200HEL-08.2	O-ring	2
R09	PSP200HEL-09.2	Washer	2
R10	PSP200HEL-10.2	Piston	1
R11	PSP200HEL-11.2	Valve core	2
R12	PSP200HEL-12.2	Spring	1
R13	PSP200HEL-13.2	Screw	1
R14	PSP200HEL-14.2	O-ring	2
R15	PSP200HEL-15.2	Washer	2
R16	PSP200HEL-16.2	Nut	1
R17	PSP200HEL-17.2	Cylinder	1
R18	PSP200HEL-18.2	Screw	3
R19	PSP200HEL-19.2	Elbow connector	1
R20	PSP200HEL-20.2	Nylon ring	1
R21	PSP200HEL-21.2	Steel ball	1
R22	PSP200HEL-22.2	Saddle	1
R23	PSP200HEL-23.2	O-ring	2

9. Technical specifications

Category	Description
Standards	European Directive: 2006/42/EC Machinery Directive Harmonised Standard: EN 60204-1:2006 – Electrical equipment of industrial machines
Application	Intended for pressing, assembling and riveting small components in an industrial environment.
General	Type: Electric workshop press Brand: Mammuth Model: SP200HEL
Technical capacity	Capacity: 200 tonnes Throat depth: 350 mm Voltage: 380 V
Dimensions & weight	Overall dimensions (L × W × H): 2330 × 1430 × 600 mm Covered area: 995 × 1462 mm Gross weight: 1430 kg
Environmental conditions	Operating temperature: -5 °C to +40 °C Storage temperature: -25 °C to +55 °C Transport temperature: -25 °C to +70 °C
Noise	Noise level: < 90 dB(A)

10. Warrantly

Warranty Terms and Conditions

1. This warranty shall enter into force on the date stated on the original purchase invoice and shall remain valid for a period of twelve (12) months.
2. This warranty is non-transferable unless prior written consent has been obtained from the supplier.
3. Warranty claims will not be accepted without presentation of the original purchase invoice.
4. This warranty shall apply exclusively provided that the product has been used in full compliance with the instructions contained in the user manual and solely for its intended purpose.
5. No alterations, modifications, or technical changes may be made to the product.
6. This warranty shall be void in the event of improper, negligent, or incorrect use of the product.
7. Transportation, shipping, and related costs are expressly excluded from this warranty.
8. Any repair work must be carried out exclusively by the supplier or an authorised service partner. Repairs performed by unauthorised third parties shall immediately void all warranty rights.
9. Repairs performed during the warranty period shall not result in an extension of the original warranty period. However, a separate warranty period of three (3) months shall apply to the repaired components, provided that the original warranty period has expired.
10. All maintenance and servicing operations described in the user manual must be performed in a timely and proper manner. Failure to do so may result in the warranty becoming void.
11. Warranty claims may only be submitted to the original point of sale at which the product was purchased.

11. Declaration of conformity

EG-verklaring van overeenstemming - Declaration of conformity – Konformitätsverklärung - Declaration de conformite - Dichiarazione di conformita- Declaracion de conformidad

Wij, We, Wir, Nous, **Valkenpower BV, Haverkamp 11, 6051 AC Maasbracht, Nederland**, verklaren geheel onder eigen verantwoordelijkheid dat de producten, declare under our sole responsibility that the products, erklären in voller eigener Verantwortung, dass die Produkte, déclarons sous notre entière responsabilité que les produits

Type Model Art Type	Beschrijving Description Beschreibung Description	Merk Brand Marke Marque
SP200HEL	Elektrische werkplaatspers	Mammuth
SP200HEL	Electric workshop press	Mammuth
SP200HEL	Elektrische Werkstattpresse	Mammuth
SP200HEL	Presse d'atelier électrique	Mammuth

Waarop deze verklaring betrekking heeft, in overeenstemming zijn met de volgende normen: To which this declaration relates, are in conformity with the following standards: Auf die sich diese Erklärung bezieht, den folgenden Normen entsprechen: Auxquels la présente déclaration se rapporte, sont conformes aux normes suivantes

De machinerichtlijn: Following the provision of Directive: Gemäß den Bestimmungen der Richtlinie:
Conformément aux dispositions de la Directive:

2006/42/EG

2014/35/EU

2014/30/EU

Directeur Valkenpower

B.A.H Valkenburg

Nederland, Maasbracht, 29-01-2026